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## Patent Abstracts of Japan

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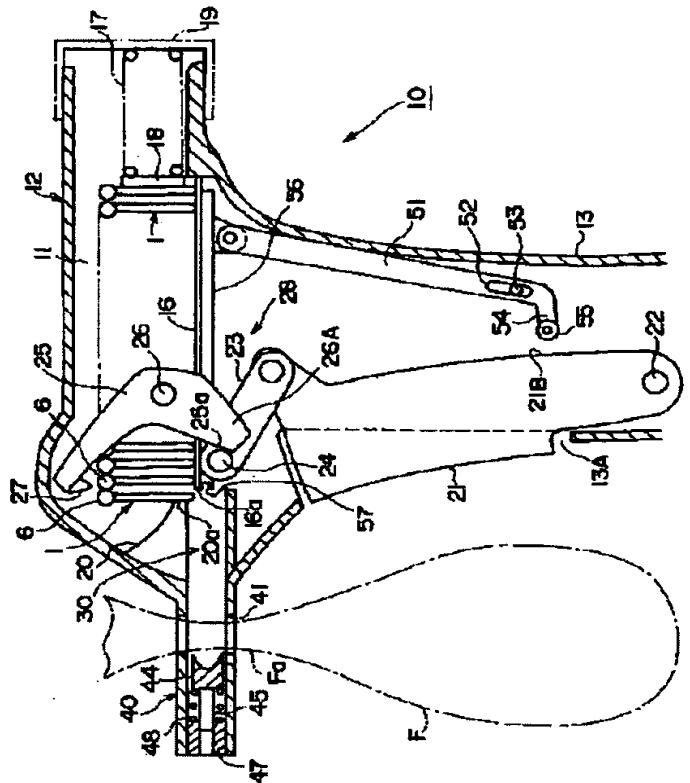
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TITLE : TYING MACHINE



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide a tying machine to automatically tie an opening of a bag by a tying tool.

**SOLUTION:** The tying tool 1 includes a pair of legs of which the ends open, spherical anchoring portions formed at the ends of this pair of legs and a C- shaped ring connected to the rear of this pair of the legs, wherein the opening of the bag is inserted into the ring, the ends of the pair of legs are twisted and the legs are entangled each other to tie the opening of the bag by the ring and wherein the anchoring portions 5, 6 prevent loosening of the entanglement of the legs. The tying machine 10 to tie the opening Fa of the bag F by the tying tool 1 comprises an inserting portion into which the rear of the bag is inserted, a housing chamber 11 which houses many tying tools 1, a taking- out means to take out one of the tying tools housed in the housing chamber 11, a feeding means to feed the tying tool 1 taken out by the taking-out means to the inserting portion with the legs ahead and to insert the opening Fa of the bag F inserted into the inserting portion into the ring from space between the pair of the legs and a twisting mechanism 40 which twists the ends of the pair of legs to entangle the legs each other.

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